

A dramatic silhouette of a church tower with a cross on top, set against a sunset sky with scattered clouds. A hot air balloon is visible in the sky to the right of the tower. In the foreground, a large square is filled with the silhouettes of people walking and a dog. The overall scene is bathed in the warm, golden light of the setting sun.

GOOD PROJECT FROM SCRATCH

A close-up profile photograph of a man with a beard and short hair, wearing a light blue button-down shirt and a lapel microphone. He is looking towards the right. The background is dark with some blue lighting on the left.

PAWEL LEWTAK
DEVELOPER @ GOG.COM

@PAWEL_LEWTAK



0. DISCLAIMER

A glowing blue DNA double helix structure is shown against a dark background. The helix is composed of two intertwined strands connected by rungs representing base pairs. The entire structure has a bright, ethereal blue glow, with some areas appearing more intense than others, creating a sense of depth and movement. The background is a deep, dark blue, making the glowing DNA stand out prominently.

1. ANALYSIS

A glowing blue DNA double helix structure is the central focus of the image. The helix is composed of two intertwined strands connected by horizontal rungs representing base pairs. The entire structure is illuminated with a vibrant blue light, creating a sense of depth and energy. The background is a dark, almost black, gradient, which makes the glowing DNA stand out prominently. The text 'WHAT TO BUILD?' is centered over the middle of the DNA structure.

WHAT TO BUILD?

A glowing blue DNA double helix structure is shown against a dark background. The helix is composed of two intertwined strands connected by rungs representing base pairs. The entire structure has a bright blue, almost ethereal glow, with some areas appearing more saturated than others, giving it a three-dimensional, translucent appearance. The helix is oriented diagonally across the frame, from the top left towards the bottom right.

WHAT PROBLEM TO SOLVE?

"The root of all evil in programming is misunderstanding of the problem. Ask right questions to right people before first line of code."

Mariusz Gil

"It's developers (mis)understanding
not expert knowledge that get's
released to production"

Alberto Brandolini

"Tech people must speak the language of Business people, not vice versa."

Stefan Priebisch

"The limits of my language mean the
limits of my world."

Ludwig Wittgenstein

DOMAIN DRIVEN DESIGN

NOT JUST
COFFEE
EST. 2011

HOT **ICED**

2.49	espresso	2.77
2.49	americano	
3.24	macchiato	
3.70	latte	
4.25	vanilla sugar latte	
4.16	hot chocolate	
3.24		

HOT **ICED**

varies	pour over coffee	varies
3.70	rishi masala chai	4.02
3.70	bhakti ginger chai	4.02
4.00	earl grey	
4.00	ceylon	
4.00	wuji	
4.00	jasmine green	
4.00	moringa	
4.00	italian soda	flavors vary

ORDER HERE

BATCH BREW - \$2.70
AGONY BROWN COLOMBIA
CARAMEL MHT APPLE
POUR OVERS
LA GOLDENROSA
CINNAMON HOT APPLE \$3.50
N 205 \$3.50
LA FRENCH ROAST \$3.50
LA PUENTE \$3.50

GRAVITY

WORKZONE

MIKAH LYN



EVENT STORMING

Impact
Full

Pow
Wow

"The only thing that is constant is
change."

Heraclitus

A photograph of a spiral staircase with a central yellow circular light fixture. The text "2. ARCHITECTURE" is overlaid in white on the image.

2. ARCHITECTURE



MONOLITH VS MICROSERVICES

"you shouldn't start a new project with
microservices"

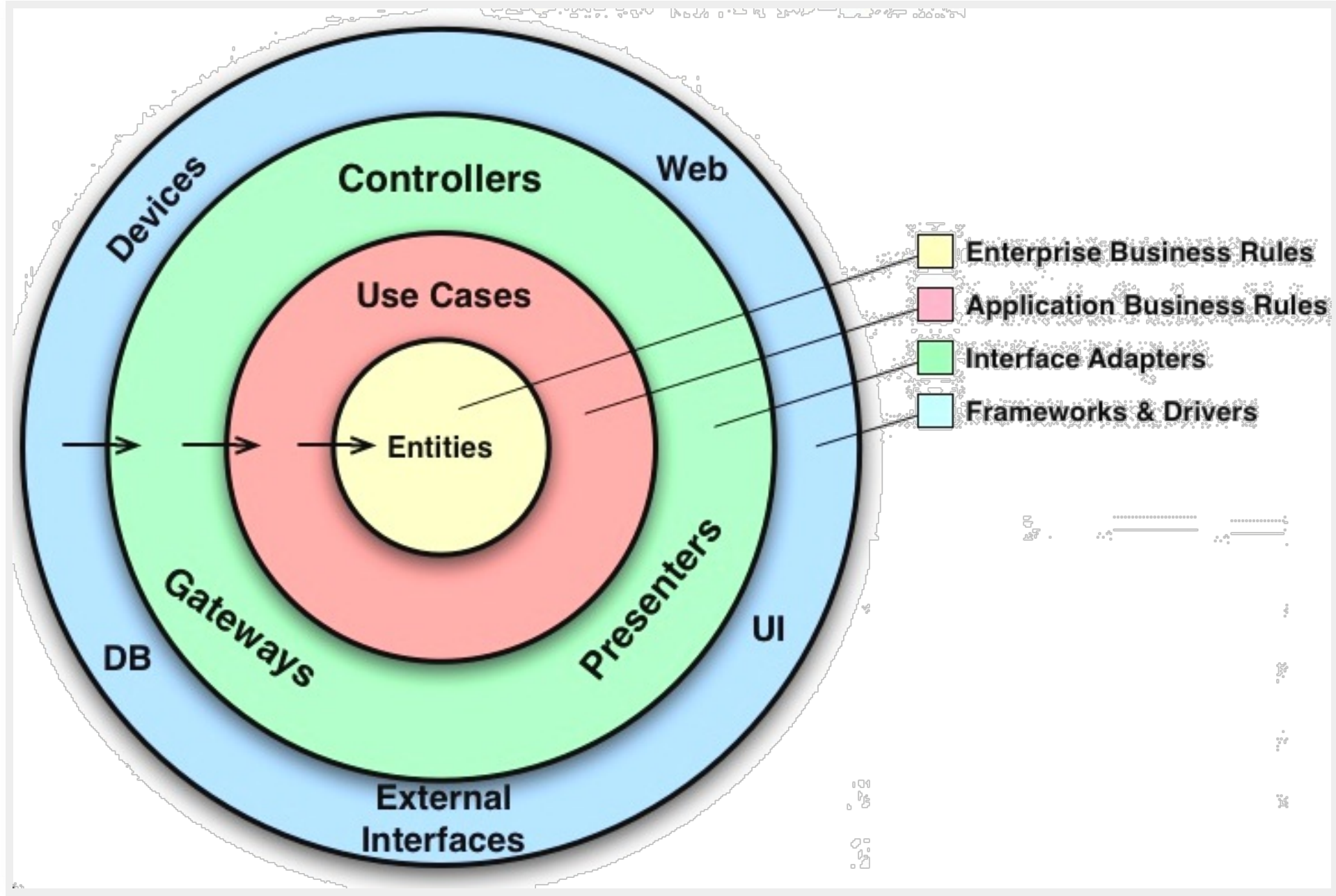
Martin Fowler



**SERVICE ORIENTED
ARCHITECTURE**

A high-angle, close-up photograph of a spiral staircase. The staircase is constructed from dark, polished wooden planks that curve around a central point. A thick, light-colored wooden handrail runs along the outer edge of the stairs. In the center of the spiral, there is a bright yellow circular object, possibly a decorative element or a light fixture, which is illuminated from above, creating a strong contrast with the dark wood. The overall lighting is dramatic, with deep shadows and bright highlights.

CLEAN ARCHITECTURE



A night sky with the Milky Way galaxy visible, silhouetted against a dark background. The text "YOU'RE NOT UNIQUE" is overlaid in white, bold, uppercase letters. The background features a dense field of stars and the characteristic band of the Milky Way, with a dark silhouette of a tree on the left side.

YOU'RE NOT UNIQUE

A night sky with the Milky Way galaxy visible, silhouetted against a dark background. The text "DON'T REINVENT THE WHEEL" is overlaid in white, bold, uppercase letters. The background features a dark, starry sky with the Milky Way galaxy visible, and a silhouette of a tree in the foreground.

DON'T REINVENT THE WHEEL

ANIPAS



- 
- A person is walking through a maze of blue LED lights at night. The maze is formed by a series of connected blue dots that create a path through a dark environment. The person is in the center of the maze, and the lights are arranged in a complex, winding pattern. The background is dark, with some blurred lights and structures visible.
- microservices
 - serverless
 - artificial intelligence
 - machine learning
 - blockchain
 - nosql
 - virtual/augmented reality
 - internet of things
 - cloud computing
 - deep learning
 - quantum computing

3. TESTS



A high-angle, close-up photograph of a Ferrari V8 engine. The engine is painted a light grey or silver color and features three prominent red vertical stripes on each of the four intake manifolds. The engine is surrounded by various components, including black plastic air filters with 'Ferrari' and 'AC 133 L' embossed on them, a yellow-capped reservoir, and various hoses and wires. The background shows the dark interior of the car's engine bay and the red inner lining of the hood. The text 'TEST DRIVEN DESIGN' is overlaid in a large, white, sans-serif font across the center of the image.

TEST DRIVEN DESIGN

A detailed view of a Ferrari V8 engine, showing the central intake manifold with three red stripes, the valve covers, and the cooling fans. The engine is mounted in a dark engine bay. The text "TESTS ! == TEST DRIVEN DESIGN" is overlaid in white, bold, sans-serif font across the center of the image.

TESTS ! == TEST DRIVEN DESIGN

"If it's hard to write a test, it's a signal that you have a design problem, not a testing problem"

Kent Beck

4. CODE REVIEW

```
... room_name_full FROM tbl_room WHERE room_checked='0'  
... uncheckedRoom["room_name_full"]."" class="list-gr  
... room_name_full";  
... tbl_dispositi...dispo...ion_user = u.user_ID
```




L₁

E₁

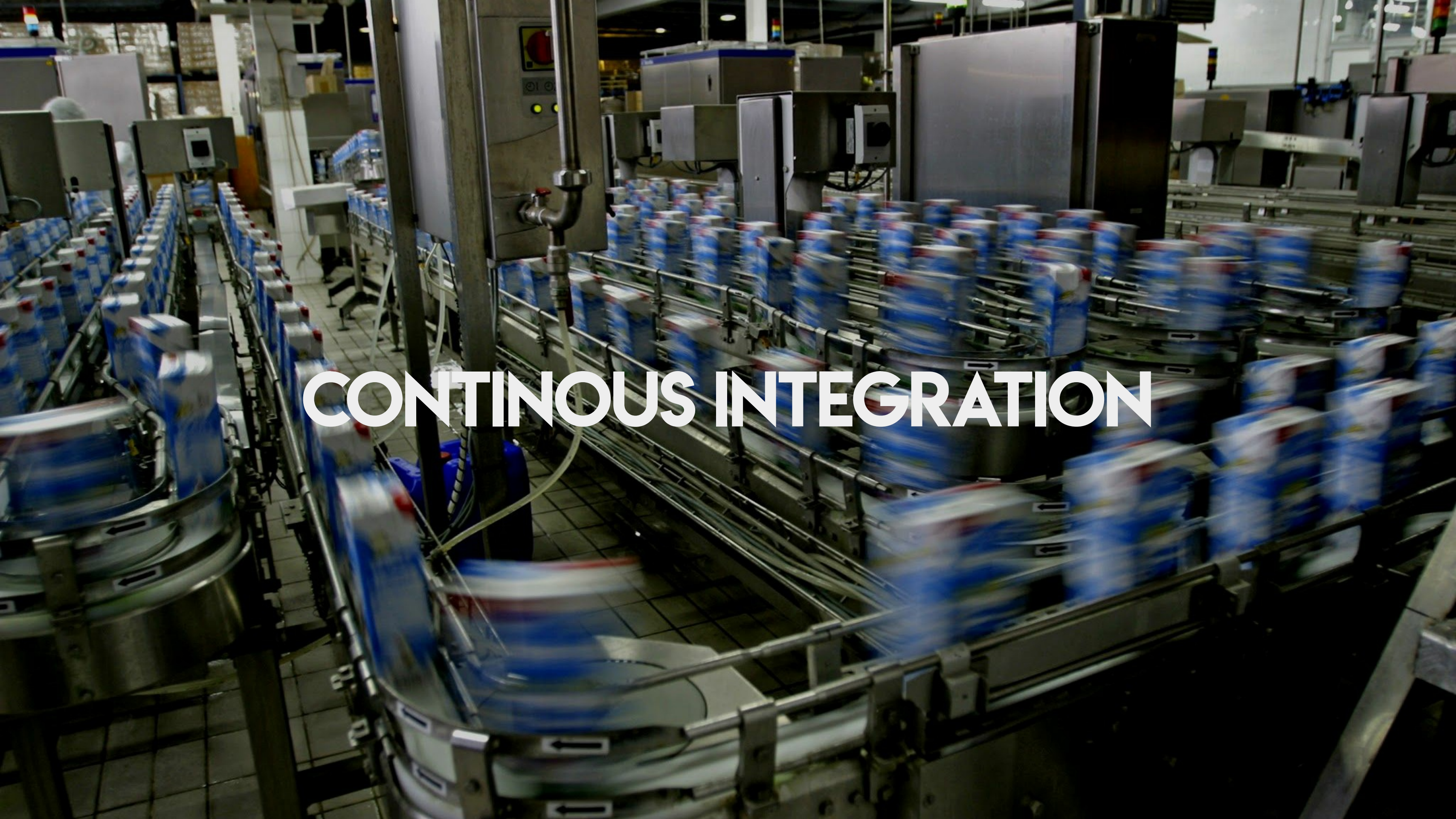
A₁

R₁

N₁



5. CONTINUOUS ...



CONTINUOUS INTEGRATION



CONTINUOUS DEPLOYMENT



DEPLOYMENT !== RELEASE



LIKE
·A·
BOSS

6. MONITORING & LOGGING



7. METRICS



A vintage aircraft instrument panel featuring several analog gauges. From left to right, the gauges include: a tachometer (RPM) with a scale from 0 to 45; a manifold pressure gauge (MANIFOLD PRESS) with a scale from 0 to 55; an oil pressure gauge (OIL PRESSURE) with a scale from 0 to 200; and a fuel pressure gauge (FUEL PRESSURE) with a scale from 0 to 25. Below these are gauges for carburetor air temperature (CARB AIR TEMP), oil temperature (OIL TEMP), and another fuel pressure gauge. The panel also includes various switches and indicators at the top, such as 'RMT FREQ GS/T' and 'DME'. The text 'BUSINESS METRICS' is overlaid in the center in a bold, white, sans-serif font.

BUSINESS METRICS



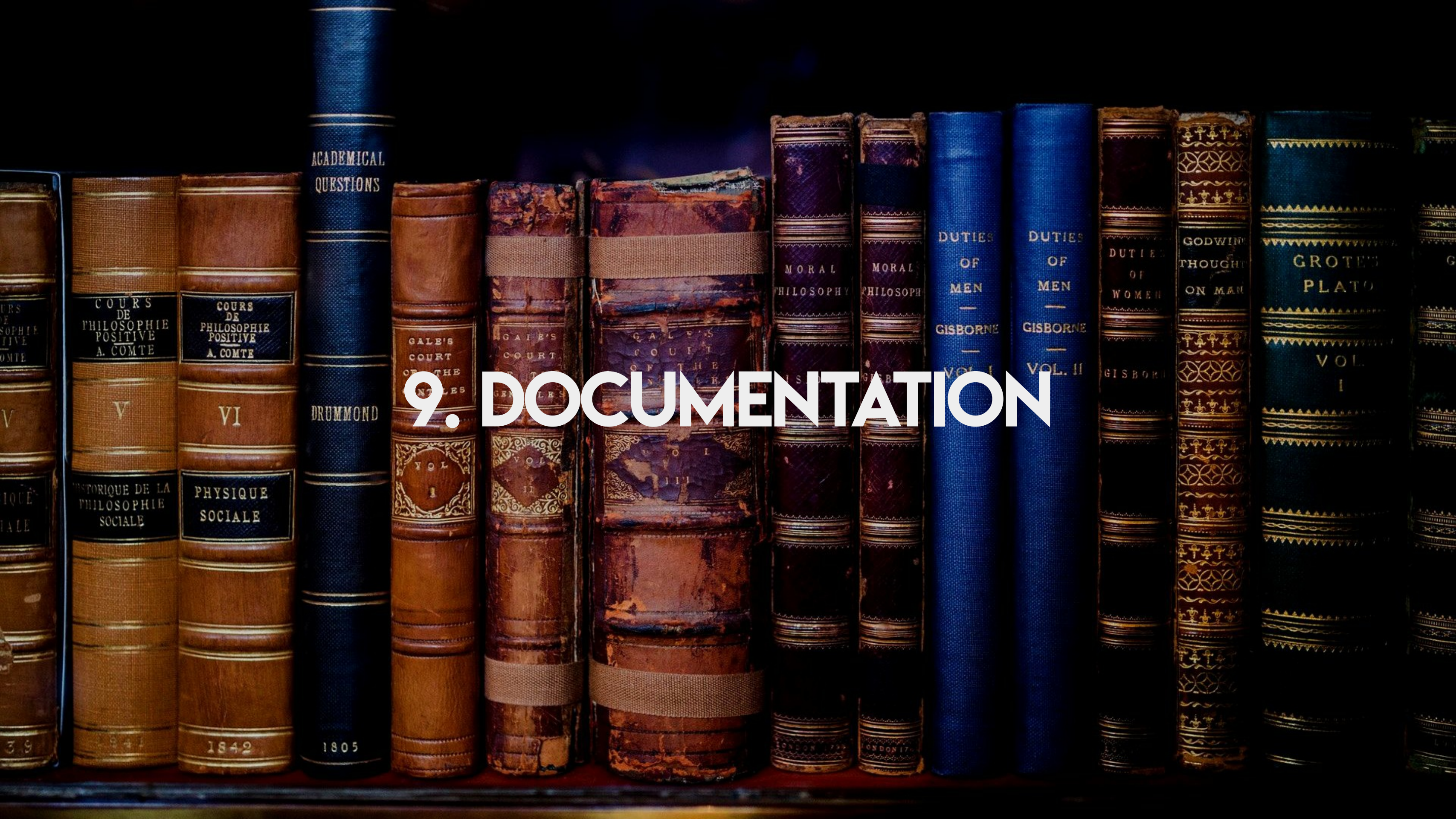
8. AUTOMATION



IF IT MOVES, AUTOMATE IT!

"If boring repetitive things aren't automated a manager gets hired."

Niranjan Paranjape



9. DOCUMENTATION



START WITH README

ACADEMICAL
QUESTIONS

DRUMMOND

1805

COURS
DE
PHILOSOPHIE
POSITIVE
A. COMTE

V

HISTORIQUE DE LA
PHILOSOPHIE
SOCIALE

COURS
DE
PHILOSOPHIE
POSITIVE
A. COMTE

VI

PHYSIQUE
SOCIALE

1842

GALE'S
COURT
OF THE
ENTITIES

VOL
I

GALE'S
COURT
OF THE
ENTITIES

VOL
II

GALE'S
COURT
OF THE
ENTITIES

VOL
III

MORAL
PHILOSOPHY

LONDON 17

MORAL
PHILOSOPHY

LONDON 17

DUTIES
OF
MEN
—
GISBORNE
—
VOL. I

DUTIES
OF
MEN
—
GISBORNE
—
VOL. II

DUTIES
OF
WOMEN
—
GISBORNE

GODWIN'S
THOUGHT
ON MAN

GROTE'S
PLATO
—
VOL. I

G

"Documentation is a love letter that
you write to your future self."

Damian Conway



10. COMMUNICATION



**COMMUNICATION
IS NOT A SOFT SKILL**



**COMMUNICATION
IS A CORE SKILL!**

"People who don't share their knowledge look more productive because they're holding back the entire team."

Jessica Kerr

"I wish the understanding were more widespread that we plateau in coding skill mid-career, it is all about communication after that"

Denton Gentry

A person is shown from the back, wearing a dark beanie and a dark t-shirt. They are holding a clear plastic water bottle in their right hand, which is raised. Their left hand is also raised, with the index finger pointing towards the right. The background is dark, with a bright light source at the top center, creating a lens flare effect. The text "THANK YOU!" is overlaid in white, bold, sans-serif font across the middle of the image.

THANK YOU!



QUESTIONS